

100

127 129 141

108

139

121

CALLED  
PHONE

CORPORATION

WORK AT  
HOME USER

137 116 193

148 166 150

PSTN

SW 1

SHARED CALL  
APPEARANCE

103

109

124 132 133 181  
162 146 102 163 145  
104 104

138 110 131  
131

155 157 151  
151

140 112 142  
142

196 125 197  
197

194 194  
194

192 198 332 189  
198 330

105 113  
113

914 918

312-222-3333 FIG. 1

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204 902  
↙ ↘

910 124 100  
↙ ↘

910 124 100  
↙ ↘  
914  
↙ ↘  
WWW."service provider".com/PCentrex/registration → 908 ↘ ↘  
914  
↙ ↘  
806  
↙ ↘

216

808

858

854

816

ENTER TELEPHONE NUMBER

856

824

ENTER PASSWORD

812 71  
810

830 ↘ ↘  
832

SEND CANCEL

“SERVICE PROVIDER” IP CENTREX REGISTRATION

Welcome to (Service Provider's) IP Centrex Softphone Registration

FIG. 2

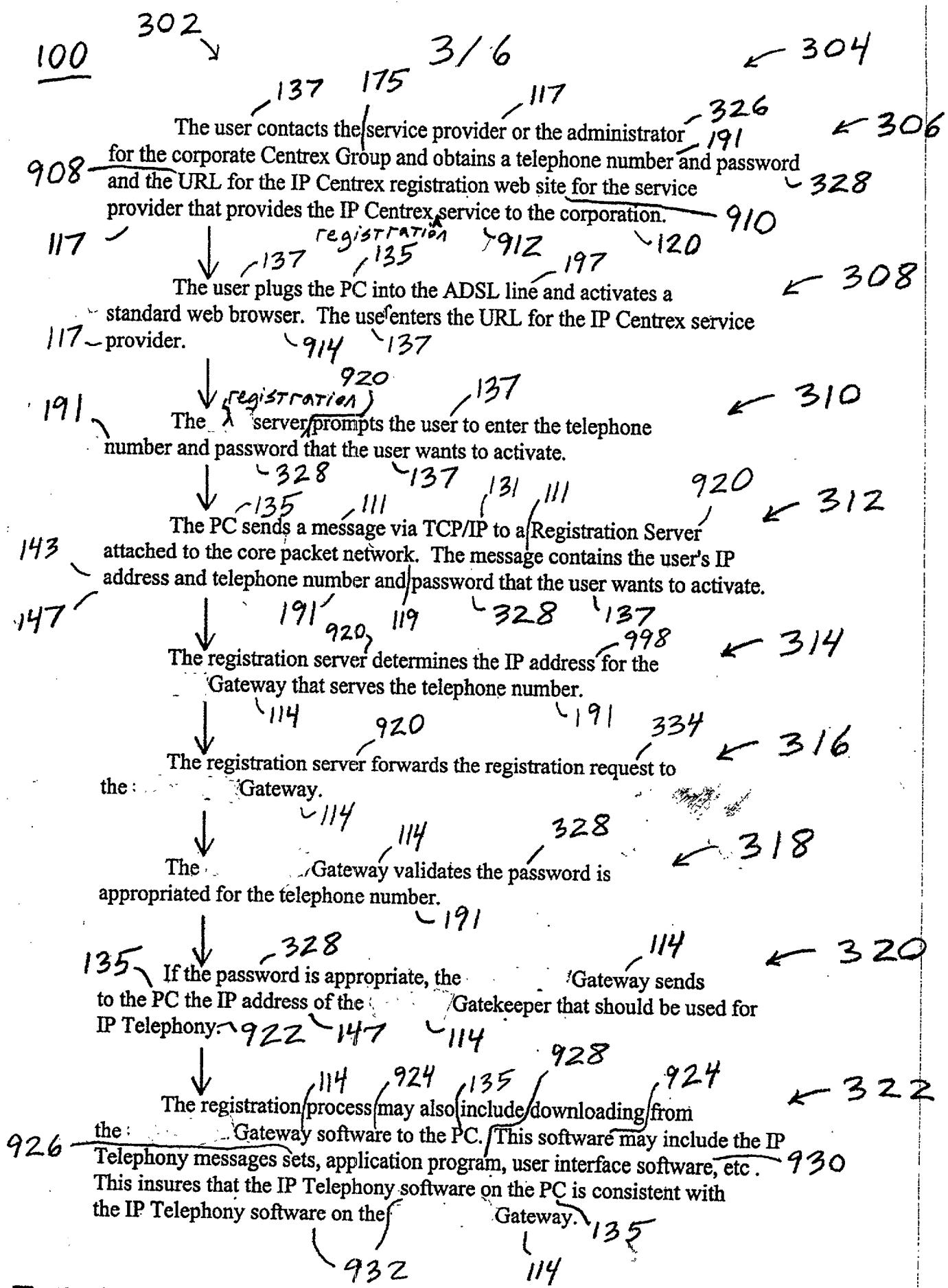


FIG. 3

100 103 124 904 132 208 202 204 206 FIG. 4

104

## Virtual Telephone

100 402  
v

## FIG. 5

404

406

137

The user activates the Multi Call Appearance Virtual Telephone application software program on the PC.

420 137 329 135 195

216 188 408

The user enters the called number into the "Enter Number" field for personal line or the "Enter Number" field for the business line.

137 224 142 186  
1,230

410

The user clicks on the "SEND" button for the corresponding call appearance.

420

102

147

412

The PC application program looks up in memory the IP address for the VoIP Gateway of the corresponding call appearance.

114 135 184 182 422  
428

414

424 The PC formats a H.323 call request message that contains "Enter Number" information and has a destination address of the corresponding VoIP Gateway. The source address of the message is the IP address of the PC.

428 422 426 147 135

118

416

The PC sends the H.323 message to the VoIP Gateway over the IP Network.

135

114

422

418

The VoIP Gateway receives the H.323 message and initiates a standard H.323 call setup sequence with the PC.

114  
430 432

422

The call request message also contains the phone number of call appearance 182 184 that initiated the call request.

